



DATE: March 15, 2012
TO: Bellevue Transportation Commission
FROM: Kevin McDonald, AICP, Senior Transportation Planner, 452-4558
kmcdonald@bellevuewa.gov
SUBJECT: Downtown Transportation Plan Update

INTRODUCTION

The update to the Downtown Transportation Plan will address mobility issues and challenges and support Downtown growth forecasts looking out to 2030.

On March 8, 2012, staff reviewed preliminary project ideas for bicycle mobility within Downtown Bellevue. Please refer to Attachment 3 for a summary of the previously reviewed Downtown project ideas and Commission comments.

Continuing with the discussion of bicycle mobility on March 22, staff will review project ideas for improving connections to adjacent neighborhoods and regional facilities. Please bring to the meeting your color copy of the March 8 presentation which includes all of the bicycle facility project ideas— I will have a few extras just in case. Staff will discuss project ideas with the Commission and seek direction to proceed on refinements and evaluation.

PRELIMINARY BICYCLE FACILITY PROJECT IDEAS FOR DOWNTOWN CONNECTIONS

The following is a brief summary of the intended roadway function and existing plans relative to bicyclist mobility along corridors to and from Downtown, and the preliminary staff ideas for bicycle facilities. Please refer to Attachment 2 for a more detailed description of the corridor and project ideas for bicycle mobility. The staff presentation on March 22 will have even more detail on these corridors.

Bicycle Corridors South of Downtown

- Bellevue Way
 - Provides a secondary north/south bicycle corridor useful primarily to “fearless” bicycle commuters
 - Connection from Downtown to the Enatai/Northtown Priority Bicycle Corridor on 108th Avenue SE
 - Preliminary bicycle facility project idea: Shared roadway facility on Bellevue Way between Main Street and 112th Avenue SE

- 108th Avenue SE
 - Provides the primary north/south bicycle corridor between Downtown and the I-90 Trail
 - Designated in the Pedestrian and Bicycle Transportation Plan as the Enatai/Northtown Primary Bicycle Corridor
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding
- 114th Avenue NE
 - Provides the primary north/south bicycle route on the east edge of Downtown south of NE 6th St. Connects to the I-90 trail via SE 8th St to the bicycle lanes on 118th Ave SE and via 112th Avenue SE and Bellevue Way SE on the planned off-street path that would run on the east side of these streets
 - Designated in the Pedestrian and Bicycle Transportation Plan as both the Lake Washington Loop route and the Lake-to-Lake Trail route
 - Preliminary bicycle facility project idea: Bicycle lanes (currently marked with sharrows)

Bicycle Corridors North of Downtown

- 100th Avenue NE
 - Provides a neighborhood and regional bicycle connection
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding between NE 12th Street and NE 24th Street
- Bellevue Way
 - Provides a secondary north/south corridor useful primarily to “fearless” bicycle commuters
 - Preliminary bicycle facility project idea: Shared roadway
- 108th Avenue NE
 - Provides the primary north/south bicycle corridor between Downtown, north Bellevue neighborhoods, the SR-520 Trail, and Kirkland
 - Designated in the Pedestrian and Bicycle Transportation Plan as the Enatai/Northtown Primary Bicycle Corridor, connecting to NE 24th Street
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding
- 112th Avenue NE
 - Provides the primary north/south bicycle corridor between Downtown, north Bellevue neighborhoods, the SR-520 Trail and Kirkland
 - Designated in the Pedestrian and Bicycle Transportation Plan as the Lake Washington Loop route
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding

- 116th Avenue NE
 - Provides the primary north/south bicycle corridor on the east side of I-405, with connections to the SR-520 Trail via Northup Way and NE 24th Street, and access to the planned Hospital light rail station
 - Preliminary bicycle facility project idea: Bicycle lanes
- NE 24th Street
 - Provides a component of north/south bicycle corridor between Downtown and the SR-520 Trail, and points north
 - Designated in the Pedestrian and Bicycle Transportation Plan as the Enatai-Northtown Priority Bicycle Corridor
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding

Bicycle Corridors West of Downtown

- Main Street/Lake Washington Boulevard
 - Provides the primary bicycle connection between Downtown and SR-520 Trail via Lake Washington Boulevard
 - Designated in the Pedestrian and Bicycle Transportation Plan as the Lake-to-Lake Trail route
 - Preliminary bicycle facility project idea: Shared roadway with wayfinding
- NE 8th Street
 - Provides a secondary connection between Downtown and SR-520 Trail
 - Preliminary bicycle facility project idea: Shared roadway north side, bicycle lane south side

Bicycle Corridors East of Downtown

- NE 4th Street Extension to 120th Avenue NE
 - Provides a bicycle link between Downtown and east Bellevue neighborhoods, and the planned bicycle lanes on 120th Avenue NE
 - Preliminary bicycle facility project idea: Bicycle lanes
- NE 6th Street Extension to 120th Avenue NE
 - Provides a bicycle link between Downtown and east Bellevue neighborhoods, the BNSF Trail corridor, and the planned bicycle lanes on 120th Avenue NE
 - Preliminary bicycle facility project idea: Off-street path, with BNSF trail connection
- NE 12th /15th Street Corridor
 - Provides the primary bicycle connection between Downtown Bellevue, Bel-Red and Overlake

- Designated in the Pedestrian and Bicycle Transportation Plan as the Downtown-Overlake Priority Bicycle Corridor
- Preliminary bicycle facility project idea: Off-street path between 112th Avenue NE and 120th Avenue NE

NEXT STEPS

Refine and evaluate bicycle mobility project ideas and develop and discuss pedestrian mobility project ideas.

ATTACHMENT 1

Priority Bicycle Corridors

2009 PEDESTRIAN & BICYCLE TRANSPORTATION PLAN



ATTACHMENT 2

Bicycle Facility Projects: Preliminary Ideas Matrix

Downtown Bellevue North/South Bicycle Corridors			
Roadway	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
100 th Av NE	<ul style="list-style-type: none"> • Wide shoulder Main St. to NE 8th St. • Wide shoulder NE 8th St. to NE 24th St. 	Bicycle lanes from Main Street to NE 12 th St.	<ul style="list-style-type: none"> • Shared lane markings • Bicycle route and/or wayfinding signage
106 th Ave NE	No bicycle facilities planned	Shared roadway bicycle facility between Main St. and NE 12 th St	Bicycle route and/or wayfinding signage
108 th Ave NE	Enatai-Northtown Connection <ul style="list-style-type: none"> • Bicycle lanes both sides 	<ul style="list-style-type: none"> • Retain existing project description • Determine feasibility of bicycle lanes between NE 4th St. and NE 8th St. 	<ul style="list-style-type: none"> • Shared lane markings • Bicycle route and/or wayfinding signage
110 th Ave NE	No bicycle facilities planned	Shared roadway bicycle facility between Main St. and NE 12 th St.	Bicycle route and/or wayfinding signage
112 th Ave NE	Lake Washington Loop <ul style="list-style-type: none"> • 5-foot bicycle lanes both sides from NE 6th St to NE 12th St. • Continuing bicycle lanes north of Downtown to Northup Way 	TBD	TBD
114 th Ave NE	Lake Washington Loop <ul style="list-style-type: none"> • 5-foot bicycle lanes both sides from NE 6th St to SE 8th St. 	Retain existing project description	N/A

Downtown Bellevue East/West Bicycle Corridors			
Roadway	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
Main Street	Lake-to-Lake Trail <ul style="list-style-type: none"> Wide shoulder on both sides from 100th Ave NE to Bellevue Way 5 foot bicycle lane on north side from Bellevue Way to 116th Ave NE 10-14 foot path on south side from Bellevue Way to 116th Ave NE 	<ul style="list-style-type: none"> Shared roadway 100th Ave NE to Bellevue Way Bicycle lanes both sides from Bellevue Way to 116th Ave NE 10-14 foot path south side from 110th Ave NE to 114th Ave NE, branching at 112th Ave NE to 114th Ave NE 	Bicycle route and/or wayfinding signage
NE 1 st St./ NE 2 nd St.	Wide outside lane on both sides from 102 nd Ave NE to 114 th Ave NE	Shared roadway bicycle facility between 100 th Ave NE and 114 th Ave NE	<ul style="list-style-type: none"> Bicycle route and/or wayfinding signage Shared lane markings
NE 6 th St. Pedestrian Corridor	<ul style="list-style-type: none"> Implement Pedestrian Corridor Bellevue Way to 110th Ave NE 10-14 foot path on south side of NE 6th St. extension across I-405 from 112th Ave NE to 116th Ave NE 	<ul style="list-style-type: none"> Pedestrian Corridor bicycle facilities - TBD 10-14 foot path on south side of NE 6th St. extension from 112th Ave NE to 120th Ave NE 	Wayfinding signage on NE 6 th St. Pedestrian Corridor
NE 10 th St.	No bicycle facilities planned	Shared roadway bicycle facility between 100 th Ave. NE and 116 th Ave. NE	Bicycle route and/or wayfinding signage
NE 12 th St.	Downtown-Overlake Connection <ul style="list-style-type: none"> 10-14 foot wide shared path north side 100th Ave NE to 112th Ave NE Bicycle lane south side 102nd Ave NE to 112th Ave NE 	Retain existing plan. Modify O-101-N to include short segment of shared-roadway bicycle facility. Connect on the east to the new shared path.	Bicycle route and/or wayfinding signage

Bicycle Corridors South of Downtown			
Roadway Corridor	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
Bellevue Way	Wide outside lanes on Bellevue Way between Main Street and 108 th Avenue SE, bicycle lanes 108 th Ave SE to 112 th Ave SE	Shared roadway bicycle facility between Main St. and 112 th Avenue SE, provide a connection to the planned off-street path on the west side of 112 th Avenue SE	Bicycle route and/or wayfinding signage
108 th Avenue SE	Enatai-Northtown Connection <ul style="list-style-type: none"> • 5-foot bicycle lane both sides from Bellevue Way to SE 34th St. • Wide shoulder both sides SE 16th St • Wide outside lane on Bellevue Way 	<ul style="list-style-type: none"> • Shared roadway bicycle facility (where there are no bicycle lanes) between Main St. and the I-90 Trail at SE 34th St. • Shared roadway on alternate (steep hill avoidance) southbound route using SE 16th St., Bellevue Way and 104th Ave SE. per existing plans 	<ul style="list-style-type: none"> • Bicycle route and/or wayfinding signage • Shared lane markings
114 th Ave NE	Lake Washington Loop Lake-to-Lake Trail 5-foot bicycle lanes both sides from NE 6 th St to SE 8 th St.	Retain existing project description	N/A

Bicycle Corridors North of Downtown			
Roadway Corridor	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
100 th Avenue NE/ 108 th Ave NE/ NE 24 th St	Enatai-Northtown Connection <ul style="list-style-type: none"> • Wide bicycle shoulder on 100th Avenue NE • Wide bicycle shoulder on 108th Avenue NE • Wide bicycle shoulder on NE 24th Street 	Shared roadway bicycle facility on 100 th Ave NE, 108 th Ave SE. and NE 24 th Street	Wayfinding
Bellevue Way	<ul style="list-style-type: none"> • Bicycle lanes both sides north of NE 24th Street • Bicycle lanes both sides from NE 12th Street to NE 24th Street 	<ul style="list-style-type: none"> • Provide alternate N/S bicycle connections on 100th Ave NE, 108th Ave NE, and 112th Ave NE • Wide outside climbing lane southbound from SR-520 to NE 24th Street 	N/A
112 th Avenue NE	Lake Washington Loop <ul style="list-style-type: none"> • Bicycle lanes both sides north of NE 12th Street 	Retain existing project description	<ul style="list-style-type: none"> • Bicycle route and/or wayfinding signage • Lake Washington Loop route wayfinding signage
116 th Avenue NE	Bicycle lanes both sides north of Main Street to Northup Way	Retain existing project description	Bicycle route and/or wayfinding signage

Bicycle Corridors West of Downtown			
Roadway Corridor	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
Lake Washington Boulevard	Lake to Lake Trail Wide shoulders for bicycles both sides	Retain existing project description	Bicycle route and/or wayfinding signage
NE 8 th Street	<ul style="list-style-type: none"> Bicycle lane south side west of 96th Ave NE to city limits Bicycle shoulder on north side west of 96th Ave NE to city limits 	<ul style="list-style-type: none"> Retain existing project descriptions Extend planned bicycle facility types to connect with the planned bicycle facilities on 100th Avenue NE 	Bicycle route and/or wayfinding signage
Bicycle Corridors East of Downtown			
Roadway Corridor	Planned Bicycle Facility	Preliminary Bicycle Facility Project Ideas	Early/Interim Improvements
NE 4 th St. Extension	Bicycle lanes both sides between 116 th Ave NE and 120 th Ave NE when NE 4 th St is extended	Retain existing project description	N/A
NE 6 th St. Extension	10-14 foot off street path when NE 6 th St is extended to 120 th Ave NE, connection to BNSF Trail	Retain existing project description	N/A
NE 12 th /NE 15 th St.	Downtown-Overlake Connection <ul style="list-style-type: none"> O-108-N. Off-street path on north side B-218-S. Bicycle lane south side west of 120th Ave NE 	<ul style="list-style-type: none"> Modify O-108-N per current NE 12th St design and NE 15th/16th St corridor plan Terminate B-218-S at 112th Ave NE – bicycle lanes do not continue across bridge 	N/A

ATTACHMENT 3

Bicycle Facility Project Ideas Reviewed with Transportation Commission on March 8, 2012

Downtown Bicycle Mobility Project Ideas						
Street Corridor	Function of bicycle corridor	Existing Plan	Preliminary Project Idea from Staff	Interim or early Implementation Ideas	Transportation Commission Comments	Next Steps
DOWNTOWN INTERNAL EAST/WEST AND NORTH/SOUTH BICYCLE CORRIDORS						
100th Ave NE	Primary north/south corridor on the west side of Downtown Access to Meydenbauer Park	B-209 E/W: Wide shoulder Main St to NE 8 th St. B-202-E/W: Wide shoulder NE 8 th St to NE 24 th St	Bicycle lanes both sides Main St. to NE 12 th St., continuing as a shared roadway facility to the north	Sharrows Bicycle route and/or wayfinding signage	Concur Explore using 99 th Ave NE as a parallel alternative between NE 1 st St and NE 8 th St.	Determine feasibility of bicycle lanes Report on 99 th Ave NE alternate route MOE evaluation
106th Ave NE	Secondary north/south corridor	None	Shared roadway bicycle facility between Main St and NE 12 th St.	Bicycle route and/or wayfinding signage	Concur	MOE evaluation
108th Ave NE	Primary north/south corridor Access to transit center Connections to neighborhoods and I-90 and SR 520	Enatai-Northtown Priority Bicycle Corridor B-125 E/W: Bicycle lanes both sides	Retain B-125 E/W	Sharrows Bicycle route and/or wayfinding signage	Concur Determine feasibility of bicycle lanes between NE 4 th St and NE 8 th St – maybe use sharrows in this segment	Determine feasibility of bicycle lanes MOE evaluation

Downtown Bicycle Mobility Project Ideas						
Street Corridor	Function of bicycle corridor	Existing Plan	Preliminary Project Idea from Staff	Interim or early Implementation Ideas	Transportation Commission Comments	Next Steps
110th Ave NE	Secondary north/south corridor Access to light rail station	None	Shared roadway bicycle facility between Main St and NE 12 th St.	Bicycle route and/or wayfinding signage	Concur	MOE evaluation
112th Ave NE	Primary north/south corridor Connections to SR 520 and I-90	Lake Washington Loop route B-126 E/W: Bicycle lanes both sides NE 6 th St to NE 12 th St	Requires further analysis of the Lake Washington Loop route	Pending corridor analysis	Pending corridor analysis	Develop alternative approaches for Lake Washington Loop Route, report to Commission
114th Ave NE	Primary N/S corridor Connections to I-90 Access to light rail station	Lake Washington Loop route Lake to Lake Trail route B-127 E/W: Bicycle lanes both sides from SE 8 th St to NE 6 th St	Retain B-127 E/W		Concur	MOE evaluation

Downtown Bicycle Mobility Project Ideas						
Street Corridor	Function of bicycle corridor	Existing Plan	Preliminary Project Idea from Staff	Interim or early Implementation Ideas	Transportation Commission Comments	Next Steps
Main Street	<p>Primary east/west bicycle corridor on south side of Downtown</p> <p>Access to planned light rail station at 112th Ave SE</p> <p>Access to Meydenbauer Park</p>	<p>Lake to Lake Trail route</p> <p>B-201 N/S: Wide shoulders both sides 100th Ave NE to Bellevue Way</p> <p>B-129 N: Bicycle lane north side Bellevue Way to 116th Ave NE</p> <p>O-121 S: Multi-purpose path south side from Bellevue Way to 116th Ave NE</p>	<p>Shared roadway bicycle facility between 100th Ave NE and Bellevue Way</p> <p>Bicycle lanes both sides Bellevue Way to 116th Ave NE, may require special lane markings for left turns at 116th Ave NE</p> <p>Multi-purpose path south side from 110th Ave NE to 116th Ave NE, branching at 112th Ave NE to 114th Ave NE</p>	Bicycle route and/or wayfinding signage	Concur	MOE evaluation
NE 2nd St	<p>Secondary E/W route</p> <p>Access to Downtown Park</p>	<p>B-401 N/S: Wide outside lanes both sides 102nd Ave NE to 114th Ave NE</p>	<p>Shared roadway bicycle facility between 100th Ave NE and 114th Ave NE</p>	<p>Sharrows west of Bellevue Way, east of 112th Ave NE</p> <p>Bicycle route and/or wayfinding signage</p>	Concur	MOE evaluation

Downtown Bicycle Mobility Project Ideas						
Street Corridor	Function of bicycle corridor	Existing Plan	Preliminary Project Idea from Staff	Interim or early Implementation Ideas	Transportation Commission Comments	Next Steps
NE 6 th St	Multimodal corridor through central Downtown Access to Bellevue Square Access to transit center and light rail station	O-117: Implement Pedestrian Corridor Bellevue Way to 110 th Ave NE	Develop specific design components for each segment of the corridor, including a non-motorized connection to NE 4 th Street/ Downtown Park	Pending corridor analysis	Pending corridor analysis	Develop project ideas for each segment of this multi-modal corridor, report to Commission
NE 10 th St	Secondary east/west route	None	Shared roadway between 100 th Ave NE and 116 th Ave NE. May require special lane markings for left turns at 116 th Ave NE	Bicycle route and/or wayfinding signage	Concur	MOE evaluation
NE 12 th St	Primary east/west bicycle route on the north side of Downtown	Downtown-Overlake Connection O-101 N: Multi-purpose path on north side 100 th Ave NE to 112 th Ave NE B-118 S: Bicycle lane south side 102 nd Ave NE to 112 th Ave NE	Retain O-101 N and B-118 S Provide a short segment of shared roadway between 102 nd Ave NE and Bellevue Way	Bicycle route and/or wayfinding signage	Concur	MOE evaluation